Alternative Water Supply Options for South Lake County

South Lake Water Summit

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Alternative Water Supplies

What are alternative water supplies (AWS)?

- A source of water used for drinking (potable), industrial or irrigation purposes aside from Floridan Aquifer groundwater
- Could include stormwater, reclaimed water, brackish groundwater, lakes, rivers and the ocean

Alternative Water Supplies

South Lake County is poorly situated to take advantage of traditional alternative water supplies

- No usable, large fresh water bodies/rivers
- Not close to the ocean
- Brackish groundwater is generally not available

Alternative Water Supplies

Self generated reclaimed water is available in small quantities, but…..

- Soils here are well drained
- Demand outstrips supply – it takes wastewater from 3 houses to provide enough irrigation for 1 house

Alternative Water Supplies

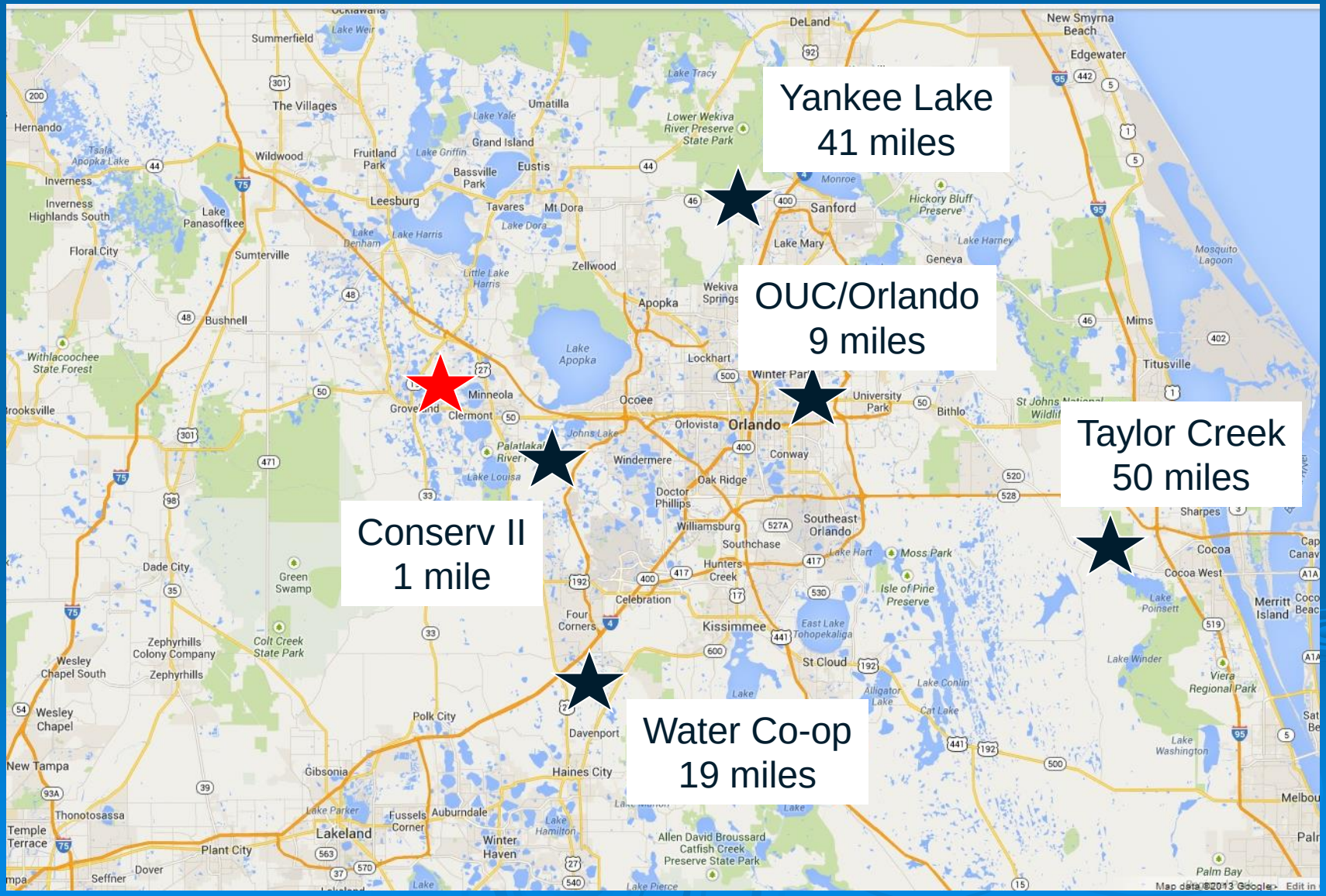
To meet projected future demands, South Lake will likely need to import water from other sources to meet its needs

Alternative Water Supplies

There are several possible sources of AWS have been identified to date:

- Water Conserv II
- City of Orlando/OUC
- Water Cooperative of Central Florida
- Seminole County/Yankee Lake
- Taylor Creek

Distance to AWS Sources



We need help!

AWS Request for Qualifications

Purpose – to select engineering consultant familiar with the CFWI process and modeling

The consultant will:

- Verify long term demand for potable and irrigation quality water
- Review available water supply options and match South Lake's demands with available sources
- Perform modeling to evaluate impacts and benefits of using various AWS sources
- Assist in developing a mitigation/prevention strategy for impacted water bodies
- Provide options, recommendations and preliminary cost for AWS projects considered

Tentative Schedule

- Submit interlocal funding agreement to partner cities by January 2014
- Cities to return signed agreements by May 2014
- Complete the request for qualifications (RFQ) procurement document by August 2014
- Issue the RFQ by October 2014
- Receive qualification documents and select a consultant by December 2014
- Contract negotiations complete by January 2015
- Consultant initiates work by February 2015

Tentative Schedule

- Study should take 6 months to complete (August 2015)
- Outcome will be a list of prioritized options for bringing AWS to South Lake
- SLRWI partners must then develop cost sharing agreements and obtain funding to implement selected projects
- Typically, design, bidding and construction of major utilities project will take 3 to 5 years depending on the size and location of the project
- Smaller projects could be completed in 18 months